



WEAR
CONTAMINATION
FLUID CONDITION

SEVERE

SEVERE

NORMAL

Machine Id
JOHN DEERE PM061092
Component
Right Final Drive
Fluid
JOHN DEERE GL-5 80W90 (--- GAL)

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

WEAR

Gear wear is indicated.

CONTAMINATION

Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

FLUID CONDITION

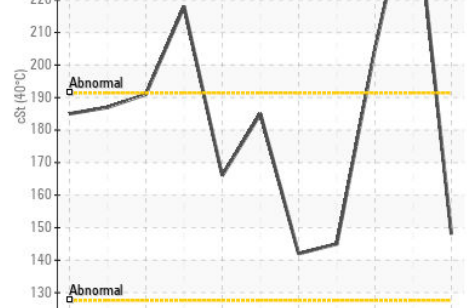
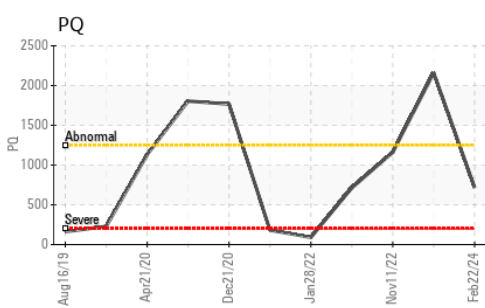
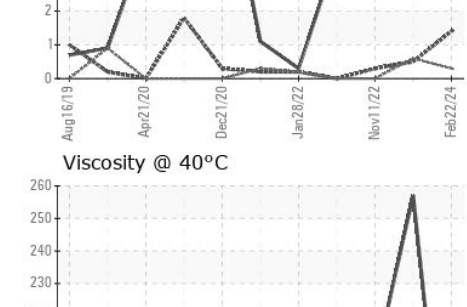
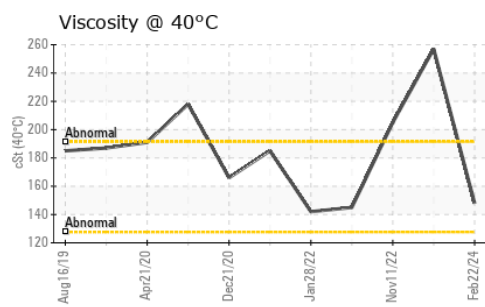
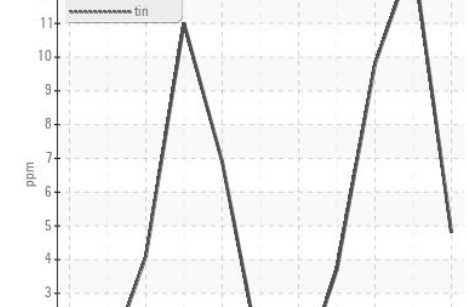
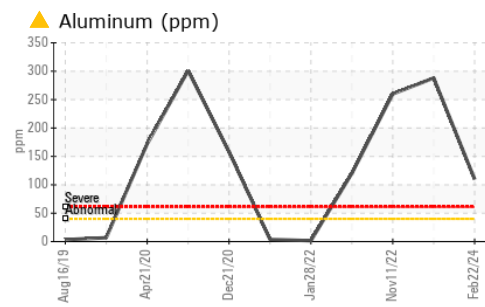
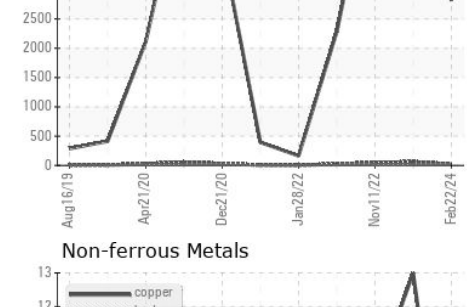
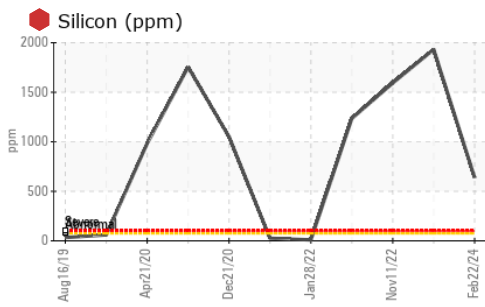
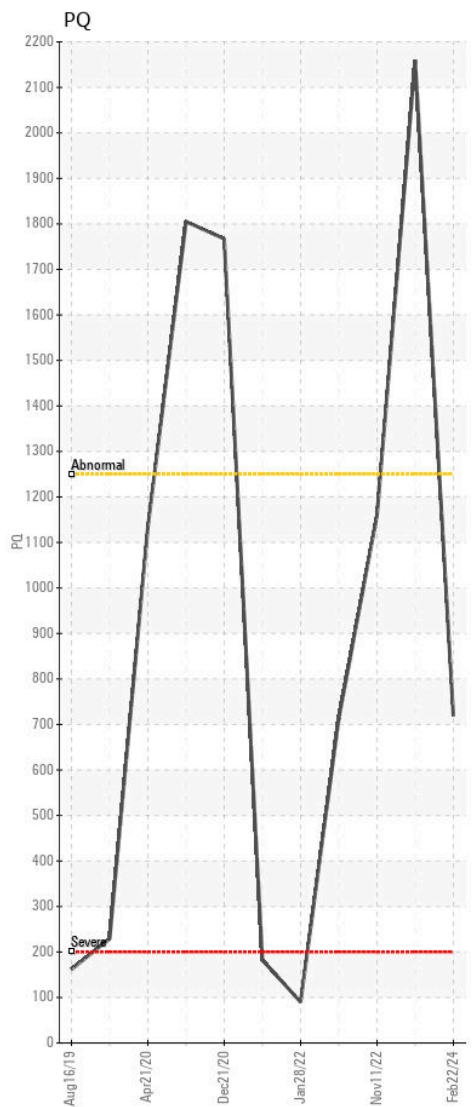
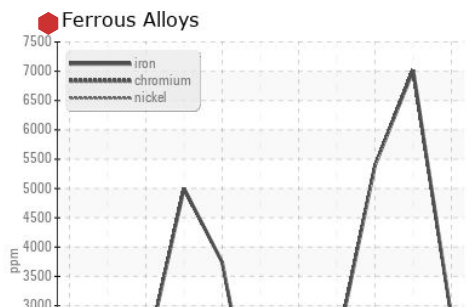
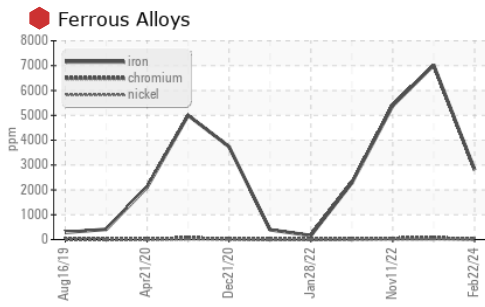
The oil is no longer serviceable due to the presence of contaminants.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0203149	JR0174457	JR0153257
Sample Date		Client Info		22 Feb 2024	31 May 2023	11 Nov 2022
Machine Age	hrs	Client Info		6469	5991	5527
Oil Age	hrs	Client Info		478	5453	538
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Changed	N/A
Filter Changed		Client Info		None	None	N/A
Sample Status				SEVERE	SEVERE	SEVERE

PQ		ASTM D8184	>1250	719	2159	1160
Iron	ppm	ASTM D5185m	>750	2812	7018	5393
Chromium	ppm	ASTM D5185m	>9	21	61	45
Nickel	ppm	ASTM D5185m	>10	4	12	5
Titanium	ppm	ASTM D5185m		15	44	39
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>40	110	288	260
Lead	ppm	ASTM D5185m	>15	1	<1	<1
Copper	ppm	ASTM D5185m	>40	5	13	10
Tin	ppm	ASTM D5185m	>10	<1	<1	0
Vanadium	ppm	ASTM D5185m		<1	2	2
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

Silicon	ppm	ASTM D5185m	>75	639	1932	1593
Potassium	ppm	ASTM D5185m	>20	26	72	64
Water		WC Method	>0.075	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.075	NEG	NEG	NEG

Sodium	ppm	ASTM D5185m	>51	8	26	19
Boron	ppm	ASTM D5185m		8	26	20
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		4	8	5
Manganese	ppm	ASTM D5185m		22	62	47
Magnesium	ppm	ASTM D5185m		23	34	22
Calcium	ppm	ASTM D5185m		31	45	35
Phosphorus	ppm	ASTM D5185m		338	324	297
Zinc	ppm	ASTM D5185m		15	13	20
Sulfur	ppm	ASTM D5185m		19798	20947	21278
Visc @ 40°C	cSt	ASTM D445		148	257	205



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0203149
Lab Number : 06100327
Unique Number : 10898557
Test Package : CONST (Additional Tests: PQ)

FITZGERALD EXCAVATING
 PO BOX 2168
 WINCHESTER, VA
 US 22604
 Contact: Service Manager

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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F: